

# **CERTIFICATE OF CONFORMITY**

- 1. HAZARDOUS (CLASSIFIED) LOCATION COMPONENT PER US REQUIREMENTS
- 2. Certificate No:

### 3. Component: (Type Reference and Name)

- 4. Name of Listing Company:
- 5. Address of Listing Company:

FM19US0099U

Series 8568/MCCB Explosion-Protected Circuit Breaker.

R. STAHL Schaltgeräte GmbH

Am Bahnhof 30, D-74638 Waldenburg (Württ.), Germany

6. The examination and test results are recorded in confidential report number:

3056983 dated 28<sup>th</sup> February 2016

7. FM Approvals LLC, certifies that the component described has been found to comply with the following Approval standards and other documents:

FM 3600:2022, ANSI/UL 489:2019, ANSI/UL 60079-0:2020, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2021

- 8. The sign 'U' placed after the certificate number indicates that this certificate must not be mistaken for a certificate for equipment or a protective system. This certificate may only be used as the basis for the certification of equipment or a protective system. This certificate is issued to the manufacturer also intended to be the holder of the equipment certificate which includes this component.
- 9. This certificate relates to the design, examination and testing of the component specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the component as examined, tested and Approved.
- 10. Component Ratings:

Flameproof "db" enclosure with increased safety "eb" terminals for Class I, Zone 1, AEx db eb IIC Gb locations. Also suitable for Class I, Division 2, Groups A, B, C and D locations based on alternate permitted marking.

11. The marking of the component shall include:

Certificate number FM19US0099U

Certificate issued by:

9. E. Marquerolint

11 July 2023

J.E. Marquedant VP, Manager - Electrical Systems Date

To verify the availability of the Approved product, please refer to <u>www.approvalguide.com</u>

## THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: <u>information@fmapprovals.com</u> <u>www.fmapprovals.com</u>

F 330 (Apr 21)



# SCHEDULE

US Certificate Of Conformity No: FM19US0099U



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Hazardous location ratings per Section 12 Manufacturer's name and address Type number Date Code Electrical ratings

#### 12. Description of Component:

The Explosion protected Circuit Breakers, Series 8568/MCCB are main and branch circuit protective devices for circuits feeding either resistive or inductive loads like lighting, motors, transformers, cables and other loads with high inrush current for use in hazardous locations.

Ordinary location molded case circuit breakers are built into flameproof enclosure with increased safety external terminals. The enclosure is molded in two different sizes for 1-pole or 2-pole circuit breakers.

The Series 8568/MCCB is available with rated voltages of 347 Vac and 125 Vdc for the 1 pole version and 480Y/277 Vac and 250 Vdc for the 2 pole version. Although the external enclosure is not changed, there are two sizes of ordinary location circuit breaker installed; the first being up to 60 A, and the second being up to 125 A.

#### Model Code:

#### 8568/MCCB-GS10dB-fA. Explosion Protected Circuit Breaker.

d = Poles 1 or 2.

f = Current Rating 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, or 125.

#### 13. Schedule of Limitations:

- 1. The flameproof enclosure cannot be repaired.
- 2. For Class I, Zone 1 locations, the Explosion Protected Circuit Breaker shall be installed in an increased safety "eb" enclosure.
- 3. The Explosion Protected Circuit Breaker shall be installed in the enclosure such that the creepage and clearance comply with the requirements of specific application.
- 4. For Class I, Zone 1 locations, the Explosion Protected Circuit Breaker shall be installed in the enclosure such that the creepage and clearance also complies with the Increased Safety spacing requirements of ANSI/UL 60079-7.
- 5. For Class I, Division 2 locations, the connections to the Series 8568/MCCB may be made in a general purpose enclosure using standard connection methods. Increased safety "eb" termination methods are permitted, but are not required.

#### 14. Test and Assessment Procedure and Conditions:

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

#### 15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

#### 16. Certificate History

To verify the availability of the Approved product, please refer to <u>www.approvalguide.com</u>

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SCC Accredited CB-P/S OCPS Accredite CCN

# <u>SCHEDULE</u>



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US Certificate Of Conformity No: FM19US0099U

Details of the supplements to this certificate are described below:

| Date             | Description  |
|------------------|--|
| 28 February 2016 | Original Issue.  |
| 15 October 2019  | <u>Supplement 01:</u><br>Report Reference: RR220572 dated 15 <sup>th</sup> October 2019.<br>Description of the Change: Update to current standards and new certificate format. |
| 11 July 2023     | Supplement 2:<br>Report Reference: RR237376 dated 11 July 2023.<br>Description of the Change(s):   |
|                  | Conversion from Ex Equipment Certificate to Ex Component<br>Certificate  |

# -M Approvals

Approvals

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